

Title (en)  
OIL SEPARATOR

Title (de)  
ÖLABSCHEIDER

Title (fr)  
SÉPARATEUR D'HUILE

Publication  
**EP 2821604 B1 20220112 (EN)**

Application  
**EP 13755157 A 20130227**

Priority  

- JP 2012040584 A 20120227
- JP 2012147748 A 20120629
- JP 2012241234 A 20121031
- JP 2013036394 A 20130226
- JP 2013055188 W 20130227

Abstract (en)  
[origin: EP2821604A1] An oil separator is provided with a housing having an inlet for air, an expansion chamber provided inside the housing, and a heating device for heating the lower part of the expansion chamber. The oil separator introduces, into the housing, air containing oil that has passed through the inlet, and separates and recovers the oil from the air that has been introduced. The transverse cross-sectional area of the expansion chamber is larger than the opening area of the inlet.

IPC 8 full level  
**F01M 13/00** (2006.01); **F01M 13/02** (2006.01); **F04B 39/16** (2006.01)

CPC (source: CN EP US)  
**B01D 45/02** (2013.01 - US); **B01D 45/04** (2013.01 - US); **B01D 45/08** (2013.01 - CN US); **B01D 46/0031** (2013.01 - CN);  
**F01M 13/02** (2013.01 - US); **F04B 39/04** (2013.01 - CN); **F04B 39/16** (2013.01 - CN EP US); **F01M 2013/045** (2013.01 - EP US);  
**F01M 2013/0472** (2013.01 - EP US)

Citation (examination)  

- CN 201787779 U 20110406 - WUHAN MCQUAY AIR CONDITIONING REFRIGERATION CO LTD
- JP S5265381 U 19770514
- CN 2264687 Y 19971015 - ZHAO LIANFANG [CN]
- JP H05296173 A 19931109 - HOKUETSU KOGYO CO
- CN 1248480 A 20000329 - WANG ZHONGSHENG [CN]
- US 3075336 A 19630129 - HAYS LEROY D
- US 2004094036 A1 20040520 - NICHOLS RANDALL W [US], et al

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2821604 A1 20150107; EP 2821604 A4 20160120; EP 2821604 B1 20220112**; CN 104302878 A 20150121; CN 104302878 B 20200313;  
CN 106194662 A 20161207; CN 106194662 B 20200313; CN 106215533 A 20161214; CN 106215533 B 20190122; US 10087798 B2 20181002;  
US 2015052861 A1 20150226; WO 2013129496 A1 20130906

DOCDB simple family (application)  
**EP 13755157 A 20130227**; CN 201380020964 A 20130227; CN 201610644776 A 20130227; CN 201610644832 A 20130227;  
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